SITE ASSESSMENT/COST PROJECTION
FOR
DRISCOLL AND COMPANY, INC
CHICAGO, COOK COUNTY, ILLINOIS
TDD: T05-9108-009
PAN:EIL0750SAA

SEPTEMBER 24, 1991

Prepared by: Raghavender Rao Nagam Date: 9-24-91

Reviewed by: Karen M Sprague Date: 9-24-91

Approved by: Thomas A Kuns Date: 9/24/91

ecology and environment, inc.
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International Specialists in the Environment

ecology and environment, inc.

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International Specialists in the Environment

September 24, 1991

Mr. Duane Heaton
Deputy Project Officer
Emergency Support Section 5HS-12
U.S. Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604

Re: Driscoll and Company, Inc., Site, Chicago, Illinois
TDD# T05-9108-009

Dear Mr. Heaton:

Ecology & Environment, Inc (E & E) Technical Assistance Team (TAT) was tasked by U.S. EPA to assess the site conditions at the Driscoll and Company, Inc., site.

TAT members along with On-Scene Coordinator (OSC) Steven J. Faryan visited the site on August 15, 1991. Attached with this letter is the Site Assessment/Cost projection Report for the above site.

If you have any questions, or require information that we can provide, please feel free to contact us.

Sincerely,

Raghavender Rao Nagam

Raghavender R. Nagam

cc: Steven J. Faryan, OSC
Attachments

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APPENDICES

1. INTRODUCTION:

The Ecology and Environment, Inc. (E & E) Technical Assistance Team (TAT) was tasked by the Emergency Enforcement and Response Branch (EERB) of the United States Environmental Protection Agency (U.S. EPA) on August 14, 1991 under Technical Directive Document #T05-9108-009 to assess site conditions at the Driscoll and Company, Inc. site, evaluate threats to human health and environment and prepare a cost projection for a removal action if the situation warranted.

The Driscoll and Company, Inc. (D & C) site was first investigated by the City of Chicago, Department of Consumer Services (DOCS) in October of 1989 pursuant to a citizen's complaint regarding the possibly abandoned electroplating building.

2. SITE BACKGROUND:

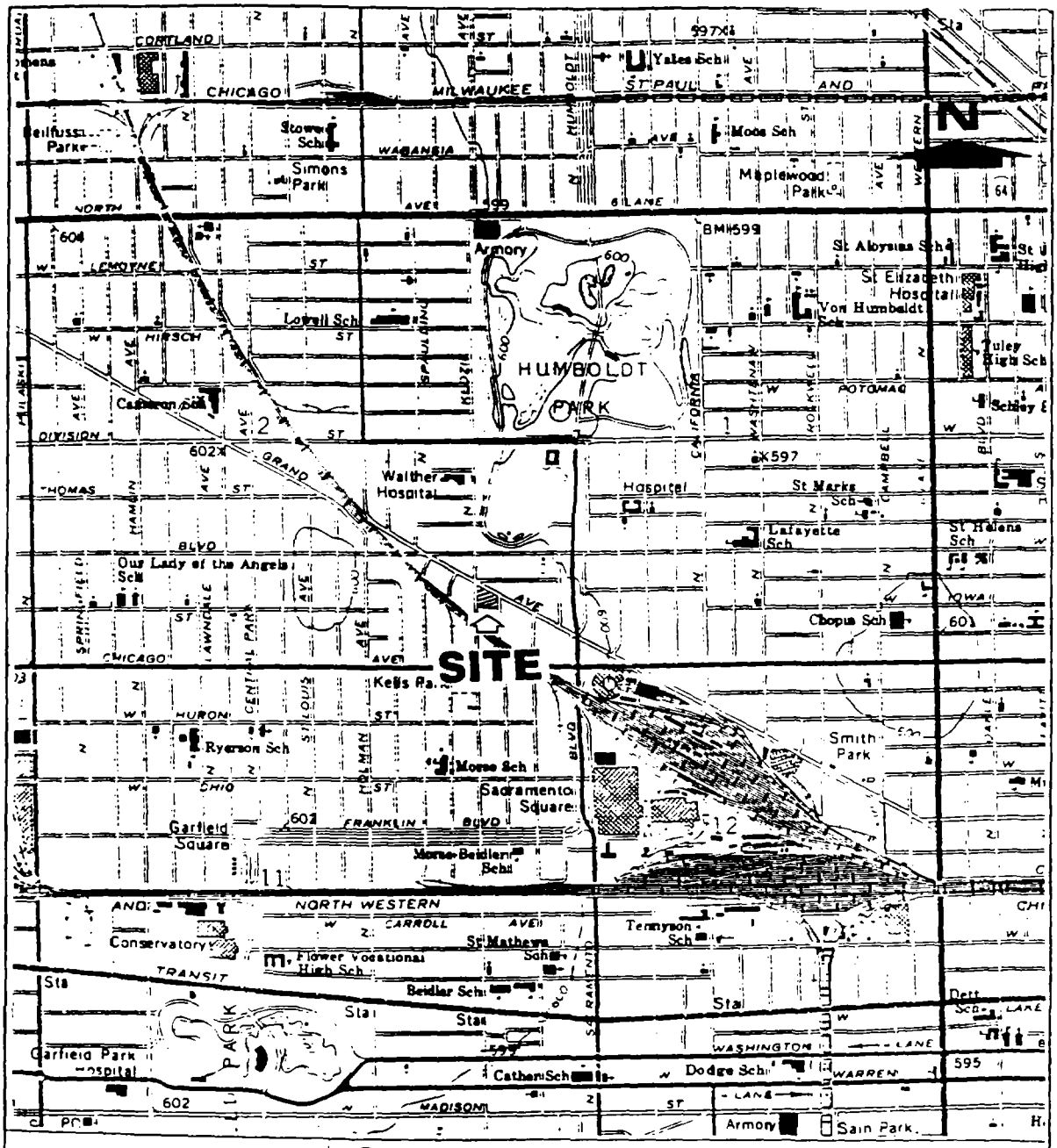
The D & C site is an abandoned electroplating facility located at 3145 West Grand Avenue in Chicago, Cook County, Illinois (Refer to Figure #1 for site location). The facility is located in two buildings which are separated from one another by an alley. The site is bounded on the west by Kedzie Avenue, on the east by Troy Avenue, on the north by West Grand Avenue and on the south by a commercial building. A title search conducted by the DOCS revealed that the property is registered under the name of Driscoll and Company, Inc. The actual period of electroplating operations are unknown at this time.

During the month of August 1990, DOCS and the Metropolitan Sanitary District of Greater Chicago (MSDGC) investigated the site. Samples collected by the MSDGC during this investigation (Ref. #1) indicated total cyanide concentrations in the range of 6000-7000 ppm, zinc concentrations in the range of 3000-3500 ppm and copper concentrations in the range of 20-25 ppm. During early August 1991, Commonwealth Edison removed transformers (Ref. #2) and some of the black stained soil from the alley.

2. SITE ACTIVITIES:

TAT members R. Nagam, N. Rombakis and J. Nordine mobilized equipment and arrived at the site on August 15, 1991. TAT met with U.S. EPA On-Scene Coordinator (OSC) Steve Faryan and DOCS personnel Jeff Ferg, Susan Herdina and Cathlen Hennesy on the site. After collecting information provided by Jeff Ferg, TAT initiated an on-site reconnaissance in level "B" protection. No readings above background levels were noted on the air monitoring equipment (HNu, HCN Monitox, and O_2/Explosimeter).

During this site assessment, TAT observed several poly and metal drums scattered throughout the building. A long



QUADRANGLE LOCATION

ecology and environment, Inc.
Technical Assistance Team
Region V
208 South La Salle street, Chicago, IL 60604

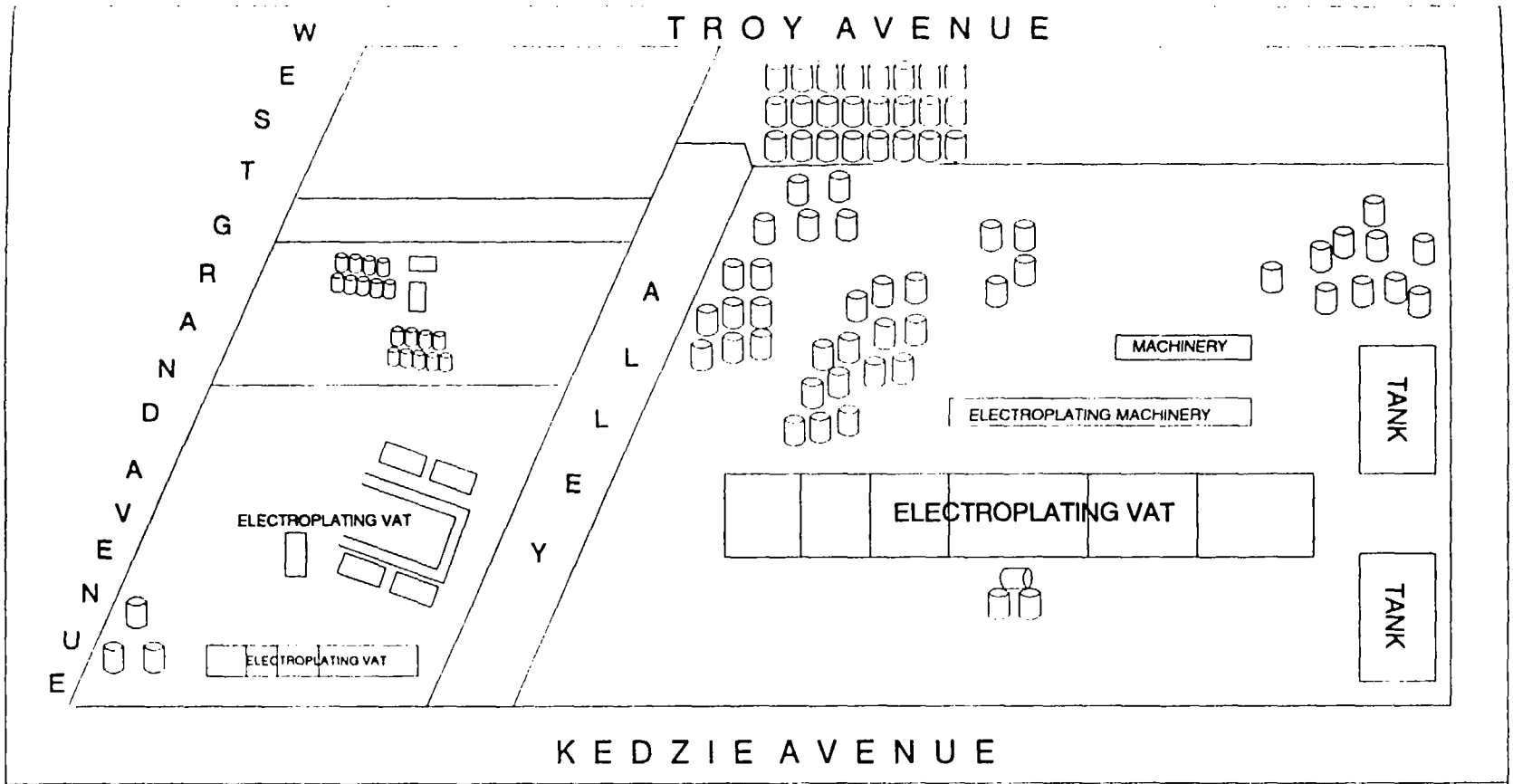
TITLE	SITE LOCATION MAP	FIGURE #	1
SITE	DRISCOLL AND COMPANY, INC	SCALE	1:24,000
CITY	CHICAGO	STATE ILLINOIS	PAN EILO750SAA

electroplating line is located in the middle of the southern building extending south from the alley. This plating line (vat) is divided into several compartments and contained dark green colored liquid (Refer to Figure #2 for site sketch). The volume of liquid contained in this vat is estimated to be 10,200 gallons. TAT collected a sample from this vat and also ran a HAZCAT test on this liquid. Results of the HAZCAT test indicated chromium concentrations in the range of 3000-4000 ppm. TAT also observed electroplating equipment located adjacent to the electroplating line. This electroplating line appeared to be in a very deteriorated condition. Two metal tanks are located adjacent to the southern wall. The first tank contained debris and other material while the second tank contained approximately 3000 gallons of green colored liquid/sludge. To the east of this tank were several drums in poor condition with no labels on them. TAT observed an open yellow poly drum containing several bottles of laboratory chemicals. Some of these chemical bottles were labelled with EDTA, HCl, Bromine water, Monochromic acid, Nickel sulfite and Barium chloride. Located to the north of the electroplating line are several poly and metal drums. Some of these drums are identified as as containing hypochlorite, caustic and nickel solutions. Several blue poly drums with the label "Super Max" on them were also observed. The eastern wall of this building consists of a garage door with several metal drums stored in piles behind the door. A total of approximately 146 drums are estimated to be present in this building. The ceiling of this building in several places appeared to have cracked and leaked water. The ceiling is in a deteriorated condition with several white pieces of unknown, possibly asbestos-type material having fallen to the ground. A total of 10,700 gallons of liquid is estimated to be present in the tanks and vats within this building.

The alley between the two buildings opens out through an entrance on Kedzie Avenue. The alley contains some drums stored in stacks and two electric poles. The soil in the alley was dark-stained in color. An entrance from this alley leads into the northern building.

Several empty poly and metal drums are stacked in the open area of the northern building. Some of the drums were labelled with "Treat the drum as hazardous when empty." There is an entrance to the second floor from this open area. The second floor appeared to be a non-electroplating area.

The remainder of the northern building is accessible only through a door on West Grand Avenue. TAT observed welding machinery within this area. At the western wall of this building, TAT observed sulfuric acid, hydrogen peroxide and sodium cyanide labelled drums. Some of the drums were also labelled as containing hydraulic oil. Adjacent to the western



LEGEND

SCALE: NOT TO SCALE

DRUM

TANK

N

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208 South La Salle Street, Suite 1300
Chicago, IL 60604

TITLE	SITE SKETCH	FIGURE # 2
SITE	DRISCOLL AND COMPANY, INC	PAN EIL0750SAA
CITY	CHICAGO STATE ILLINOIS	DATE: SEPTEMBER 1991

wall and extending from the northern wall is a long vat containing several compartments. Two of these compartments were full and labelled "hazardous liquid - chromate solution." The last compartment is approximately 100 feet long and contained an unknown liquid. TAT was unable to access this liquid. At the eastern wall of the building TAT observed a long horseshoe-shaped vat containing a clear brown liquid. TAT estimated a total of 49,100 gallons of liquid wastes are present in this building.

During the site assessment, TAT collected four (4) liquid vat samples, four (4) liquid drum samples, and two (2) soil samples from the alley. Soil samples were requested to be analyzed for TCLP metals, PCBs, volatile and semi-volatile organics excluding herbicides and pesticides. One drum sample was requested to be analyzed for acid, base, neutral extractables and PCBs while the remainder of the liquid samples were requested to be analyzed for TCLP metals and cyanide. All the personal protective gear used on-site was bagged and left inside the building for later disposal. After conducting dry decon procedures, TAT delivered these samples to NET Midwest Laboratory in Bartlett, Illinois. A two week verbal and three week hard copy turnaround on the results was requested.

4. ANALYTICAL RESULTS:

Analytical results of the samples collected are included in Table 1. These results indicate that the liquids on-site have chromium concentrations up to 10,500 ppm, cyanide concentrations up to 9,700 ppm, nickel concentrations up to 457,000 ppm and zinc concentrations up to 16,000 ppm.

5. DISCUSSION OF POTENTIAL THREATS:

5.1 THREAT TO HUMAN HEALTH AND ENVIRONMENT:

Conditions at the D & C site that may warrant an appropriate removal action as set forth in paragraph (b) (2) of section 300.415 of the National Contingency Plan (NCP) are:

> (i) Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants.
>
> The site is located in a highly populated residential/commercial area. Even though the gates to the building are locked, one can access the building through the alley and potentially be exposed to the hazardous chemicals on-site.

(ii) Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

The TAT site assessment has revealed that several hazardous substances such as chromium, cyanide, caustic, hydrogen peroxide and sulfuric acid are stored in vats and drums which are in deteriorating conditions and may pose a threat of release.

(iii) Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

The ceiling in several places of the building has cracks through which rain water appeared to have leaked. During heavy rains, the water can flood the vats and overflow creating a potential for migration of hazardous substances.

5.2 POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES:

Analytical results of the samples collected from the site soil, vats and drums have identified hazardous substances to be present at the D & C site. Substances such as chromium, copper, zinc, caustic solutions, sulfuric acid, sodium cyanide, sodium hypochlorite and hydrogen peroxide found on this site pose potential inhalation, ingestion and contact hazards. The site is located in a highly populated residential/commercial area posing an imminent threat to the surrounding population.

5.3 THREATS OF RELEASE:

The TAT site assessment documented the presence of drums and vats containing several hazardous substances. Many of these drums are in deteriorating conditions, posing a threat of release to the surroundings. Rain water which might leak through the cracked ceiling could carry vat contents onto the ground thereby posing a threat of release.

5.4 CHEMICAL HAZARDS AT THE SITE:

The presence of caustic solutions, sulfuric acid, sodium hypochlorite, sodium cyanide, cyanide, chromate, zinc, copper, nickel and hydrogen peroxide chemicals pose chemical hazards at this

TABLE 1

SAMPLE RESULTS OF DRISCOLL & COMPANY SITE

SAMPLE NUMBER	V1	V2	D3	D4	V7	V8	D9
	concentration µg/gm(ppm)						
METALS							
Cyanide	0.06	<0.05	0.07	1.04	9700	0.09	10.7
aluminum	2.7	46.5	5.2	<5.0	13.4	0.39	327
antimony	86.9	<24	<4	<25	<4	<0.50	<25
arsenic	<1.0	<1.0	<1.0	<1.0	<1.0	<0.005	2
barium	<0.2	6.3	3.3	2.5	0.22	0.031	24.6
beryllium	<0.05	<0.24	<0.04	<0.25	<0.04	<0.005	<0.25
cadmium	2.4	30.5	12.4	7.3	0.70	0.016	9.6
calcium	47	398	329	228	14	46	34,400
chromium	10,500	99.2	0.6	5.9	1.5	0.149	47.9
cobalt	<1.0	17	<2	<5.0	<0.9	<0.10	<4.9
copper	457	4300	5.26	1.17	8.63	0.026	24.2
iron	123	1320	185	92.1	2160	0.405	6400
lead	<1.0	89.4	28.6	19.2	<0.7	0.111	39.5
magnesium	22	210	220	180	<10	16	380
manganese	3.84	52.6	15.9	17.4	1.04	0.148	33.8
mercury	<0.002	<0.02	<0.002	<0.02	<0.0002	<0.0002	<0.02
nickel	1360	159,000	457,000	43,600	6.7	0.050	68.5
potassium	52	<50	120	96	450	2	62
selenium	<1.0	<1.0	<1.0	<1.0	<1.0	<0.005	<1.0
silver	<0.5	<2.4	<0.4	<2.5	<0.4	<0.050	<2.5
sodium	1990	440	15,000	23,000	46,000	14	660
thallium	5.2	<10	<2	<10	<2	<0.20	<10
vanadium	<0.5	<2.4	0.8	<2.5	<0.4	<0.050	<2.5
zinc	35.2	978	273	135	15,300	5.45	16,000

Analytical data are draft and are subject to QA review

SAMPLE NUMBER	D6 concentration ppm
aluminum	<4.9
potassium	7
sodium	30
pcb-1016	<1.0
pcb-1221	<0.1
pcb-1232	<0.1
pcb-1242	<0.1
pcb-1248	<0.1
pcb-1254	<0.1
pcb-1260	<0.1
4-chloro-3-methylphenol	<10
2-chlorophenol	<10
2,4-dichlorophenol	<10
2,4-dimethylphenol	<10
2,4-dinitrophenol	<50
2-methyl-4,6-dinitrophenol	<50
2-nitrophenol	<50
pentachlorophenol	<50
phenol	<10
2,4,6-trichlorophenol	<10
acenaphtene	<10
acenaphthylene	<10
anthracene	<10
benzidine	<50
benzo (a) anthracene	<10
benzo (b) fluoranthene	<10
benzo (k) fluoranthene	<10
benzo (g,h,i) pyrelene	<10
benzo (a) pyrene	<10
benzyl butyl phthalate	<10
bis (2-chloroethoxy) methane	<10
bis (2-chloroethyl) ether	<10
bis (2-chloroisopropyl) ether	<10
bis (2-ethylhexyl)phthalate	<10
4-bromophenyl phenyl ether	<10
2-chloronaphthalene	<10
4-chlorophenyl phenyl ether	<10
chrysene	<10
dibenzo(a,h) anthracene	<10
di-n-bytyl phthalate	<10
1,2-dichlorobenzene	<10
1,3-dichlorobenzene	<10
1,4-dichlorobenzene	<10
3,3-dichorobenzidine	<20
diethyl phthalate	<10
dimethyl phthalate	<10

Analytical data are draft and are subject to QA review

SAMPLE NUMBER	D6 concentration ppm
2,4-dinitrotoluene	<10
2,6-dinitrotoluene	<10
di-n-octyl phthalate	<10
fluoranthene	<10
fluorena	<10
hexachlorobenzene	<10
hexachlorobutadiene	<10
hexachlorocyclopentadiene	<10
hexachloroethane	<10
indeno(1,2,3-cd)pyrene	<10
isophorone	<10
naphthalene	<10
nitrobenzene	<10
n-nitrosodimethylamine	<10
n-nitrosodi-n-propylamine	<10
n-nitrosodiphenylamine	<10
phenanthrene	<10
pyrene	<10
1,2,4-trichlorobenzene	<10

Analytical data are draft and are subject to QA review

SAMPLE NUMBER	S1	S2
	concentration ppm	
aluminum	1910	445
potassium	460	710
sodium	204	350
TCLP-arsenic	<0.20	<0.20
TCLP-barium	1.04	1.04
TCLP-cadmium	0.596	0.318
TCLP-chromium	<0.040	<0.040
TCLP-lead	0.776	0.860
TCLP-mercury	<0.0002	<0.0002
TCLP-selenium	<0.10	>0.10
TCLP-silver	<0.050	<0.050
pcb-1016	<0.1	<0.1
pcb-1221	<0.1	<0.1
pcb-1232	<0.1	<0.1
pcb-1242	<0.1	<0.1
pcb-1248	<0.1	<0.1
pcb-1254	0.97	1.7
pcb-1260	0.24	0.22
TCLP-cresols, total	<0.10	<0.10
TCLP-3-methylphenol	<0.10	<0.10
TCLP-2-methylphenol	<0.10	<0.10
TCLP-4-methylphenol	<0.10	<0.10
TCLP-pentachlorophenol	<0.50	<0.50
TCLP-2,4,5-trichlorophenol	<0.50	<0.50
TCLP-2,4,6-trichlorophenol	<0.10	<0.10
TCLP-benzene	<0.02	<0.02
TCLP-carbontetrachloride	<0.02	0.02
TCLP-chlorobenzene	<0.02	<0.02
TCLP-chloroform	<0.02	<0.02
TCLP-1,4-dichlorobenzene	<0.02	<0.02
TCLP-1,2-dichloroethane	<0.02	<0.02
TCLP-1,1-dichloroethene	<0.02	<0.02
TCLP-methyl ethyl ketone	<0.20	<0.20
TCLP-tetrachlorothene	<0.02	<0.02
TCLP-vinyl chloride	<0.16	<0.16
TCLP-hexachlorothane	<0.10	<0.10
TCLP-nitrobenzene	<0.10	<0.10
TCLP-hexachlorobutadiene	<0.10	<0.10
TCLP-2,4-dinitrotoluene	<0.10	<0.10
TCLP-hexachlorobenzene	<0.10	<0.10
TCLP-pyridine	<0.10	<0.10

Analytical data are draft and are subject to QA review

site. These corrosive materials can cause irritation to eyes, skin, and the respiratory tract and can lead to ulceration. Chromium found in the vat solutions is a known carcinogen, is toxic, and bioaccumulative. Nickel is a suspected human carcinogen.

6 PROPOSED REMOVAL ACTIONS:

The preferred removal action to mitigate threats associated with the D&C site consists of off-site treatment of liquid/sludge wastes, decontamination of on-site vats, tanks, and floors, and landfilling of non-hazardous waste. The removal will require the following tasks:

1) Securing of the site, overpacking of leaking drums, and segregation of incompatible wastes;

2) Staging, sampling, and compatibility testing of all liquids, sludges and other hazardous wastes and substances;

3) Bulking of wastes for disposal or on-site treatment;

4) Collection and submittal of bulked samples for disposal facility approval;

5) Evaluation of on-site pre-treatment alternatives and the conduct of treatability studies;

6) Decontamination of drums, vats, tanks, floors, and debris;

7) Removal of non-hazardous waste;

8) Disposal of lab pack chemicals;

9) Removal of loose and friable asbestos inside the building.

The removal action will result in the removal and disposal of approximately 40,000 gallons of liquid wastes and sludge from vats, tanks, and drums, and approximately 100 tons of non-hazardous debris. A detailed cost projection summary is included in Appendix A. All disposal costs were obtained from Cyanokem and Metro Recovery Systems. Transportation costs were obtained from Metropolitan Environmental, Inc.

This removal action is estimated to cost $ 1,450,000.00 and is expected to require 60 12-hour working days to complete.

REFERENCES

1) DOCS file information

2) Telephone conversation of TAT with Jeff Ferg of DOCS

APPENDIX A
RCMS PROJECTION

Redacted-information not relevant to removal action.

APPENDIX B
PHOTO DOCUMENTATION

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company PAGE 1 OF 15

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 0800

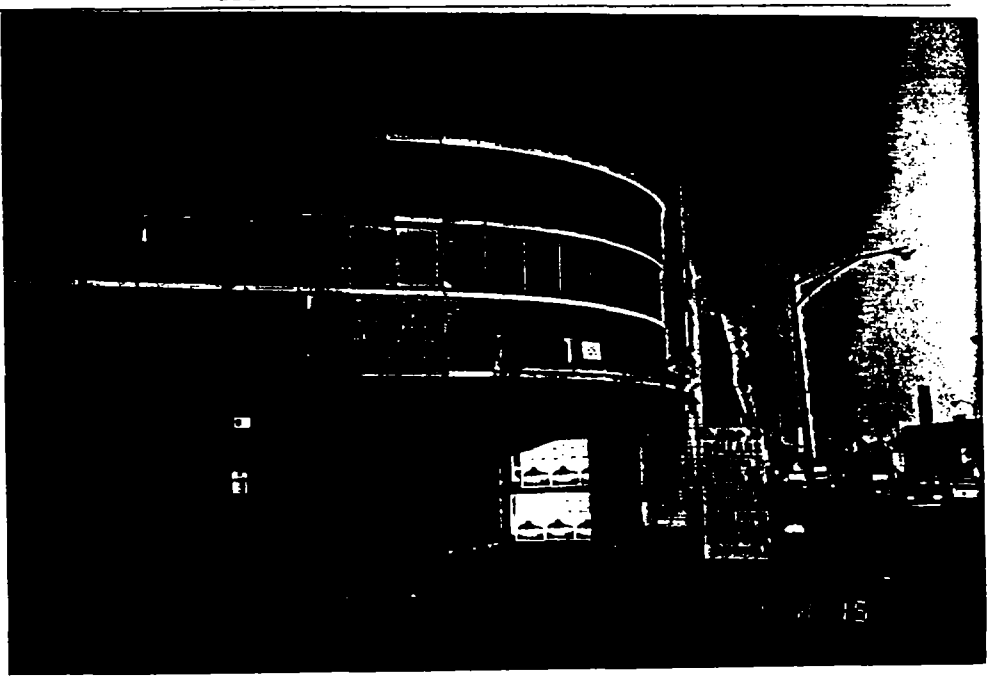
DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Front view of the Driscoll & Company building

DATE: 8/15/91

TIME: 0801

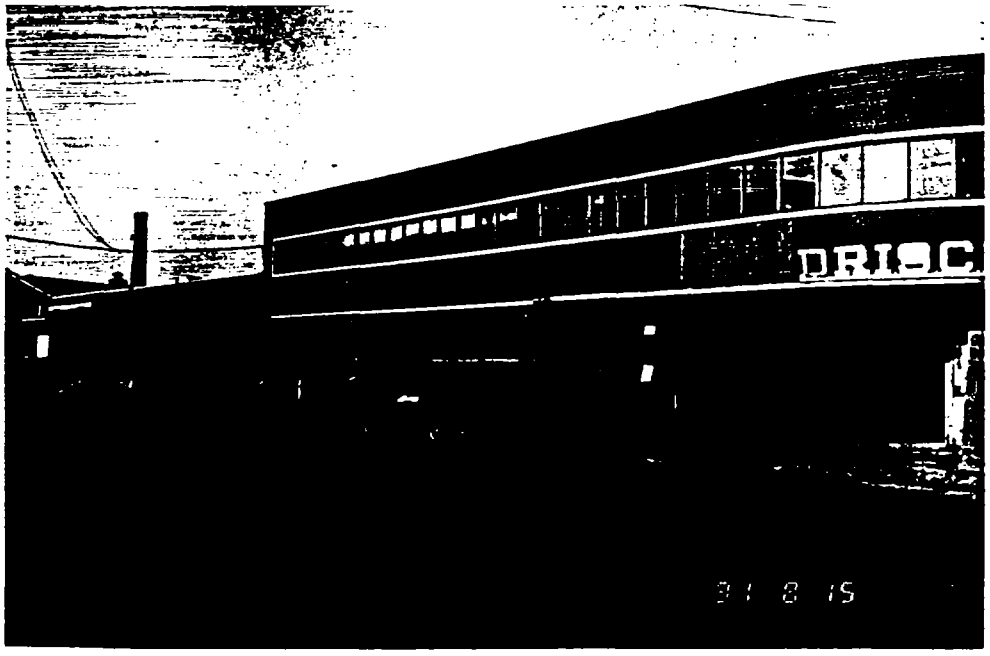
DIRECTION OF PHOTOGRAPH: Southwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Eastern view of the Driscoll & Company building

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 0801

DIRECTION OF PHOTOGRAPH: South southwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Northern view of the building

DATE: 8/15/91

TIME: 0802

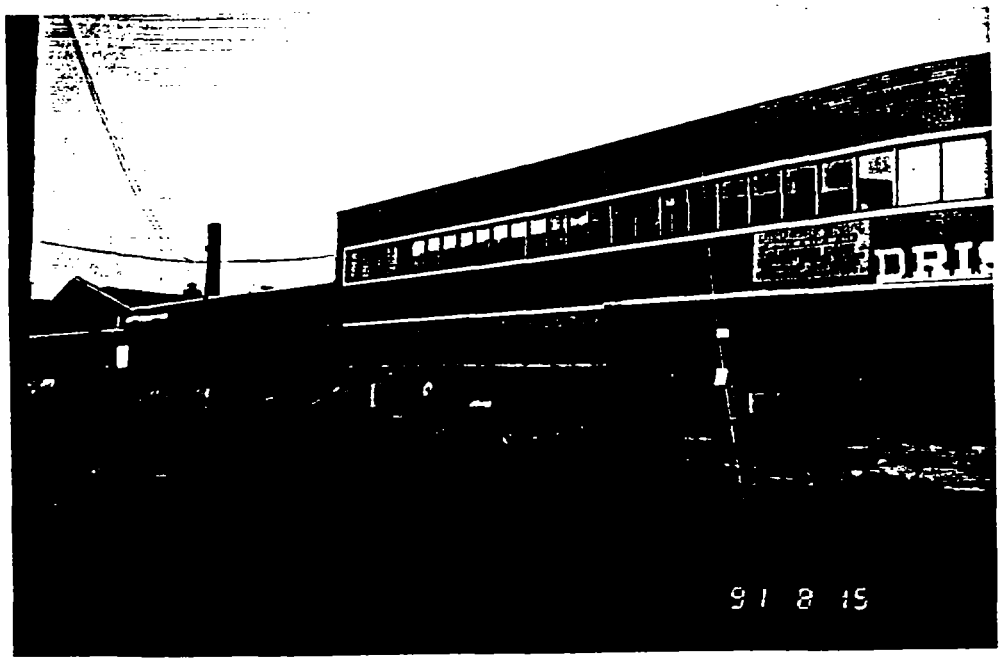
DIRECTION OF PHOTOGRAPH: Southwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Eastern view of the building along Troy avenue

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company PAGE 3 OF 15

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 0902

DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: J. Nordine

SAMPLE ID (if applicable): N/A

DESCRIPTION: Roll-off box containing stained soil from the alley being transported off-site

DATE: 8/15/91

TIME: 1105

DIRECTION OF PHOTOGRAPH: South

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: J. Nordine

SAMPLE ID (if applicable): S1

DESCRIPTION: Stained soil near the electric pole. Soil sample S1 location

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1215

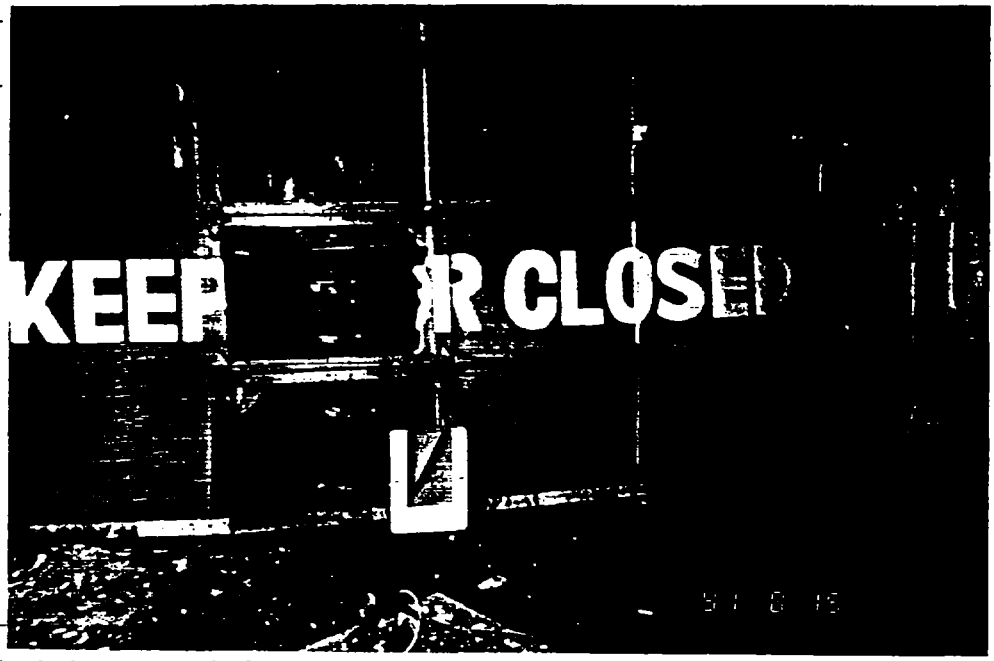
DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Stacked drums behind the garage door

DATE: 8/15/91

TIME: 1215

DIRECTION OF PHOTOGRAPH: Southwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Drum writings indicating possible trespassing

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1216

DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Drum with sodium hypochlorite label on it

DATE: 8/15/91

TIME: 1217

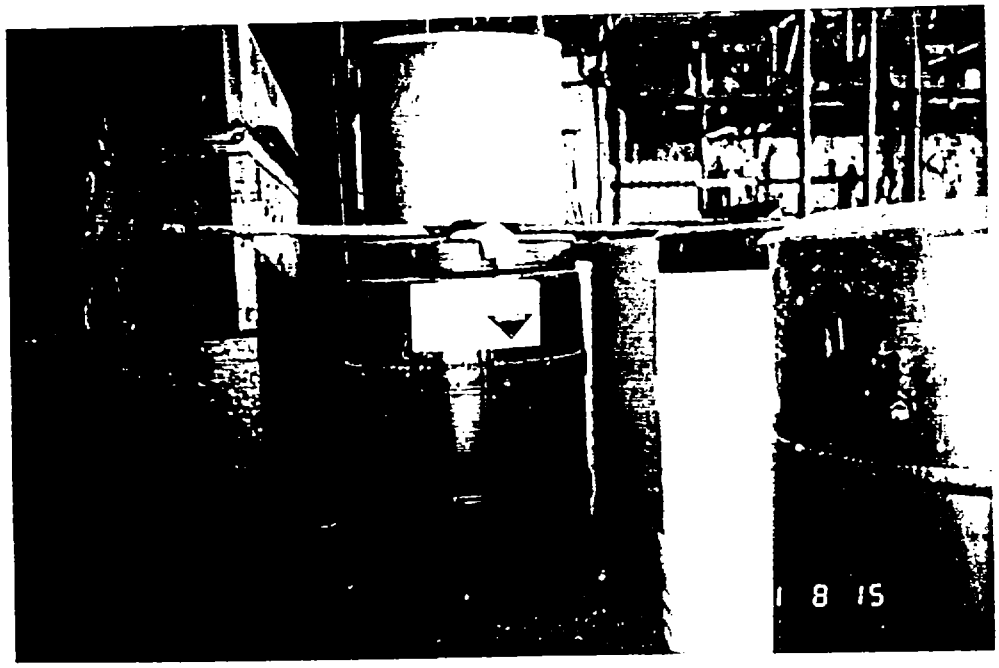
DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): D4



DESCRIPTION: Drum with caustic soda label on it. Sample D4 was collected from this drum

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1218

DIRECTION OF PHOTOGRAPH: Northwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Drums staged near the electroplating line

DATE: 8/15/91

TIME: 1228

DIRECTION OF PHOTOGRAPH: Northwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Electroplating line in the southern building

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1229

DIRECTION OF PHOTOGRAPH: N/A

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Ceiling of the southern building showing signs of deterioration

DATE: 8/15/91

TIME: 1233

DIRECTION OF PHOTOGRAPH: Southwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): V2

DESCRIPTION: Green colored liquid/sludge in the vat in the southern building. Sample V2 was collected from this vat

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1235

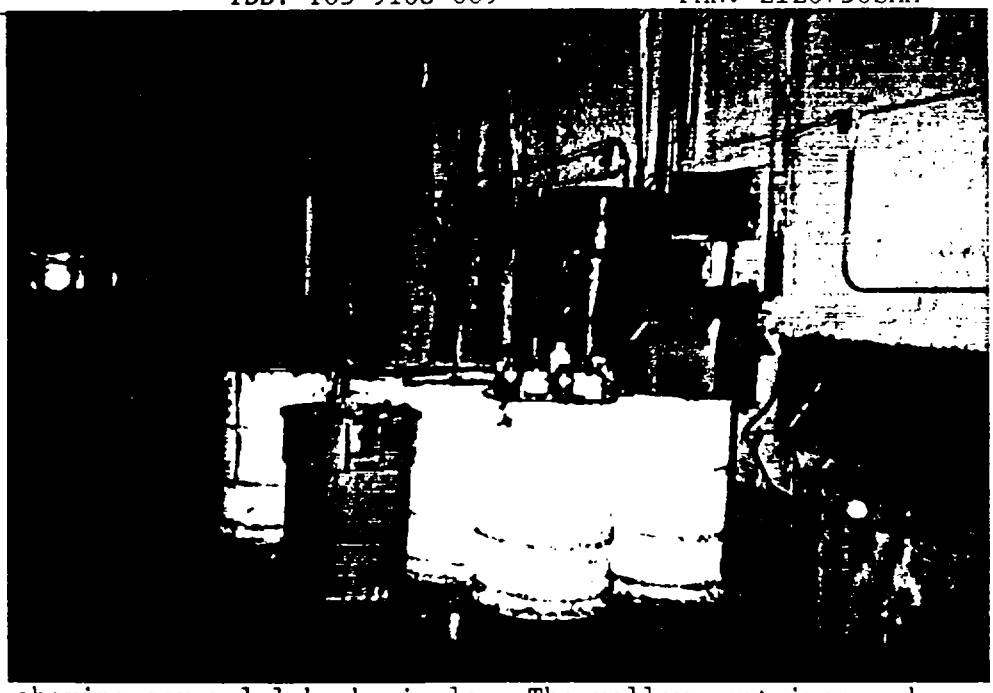
DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Photo showing several lab chemicals. The yellow container and the cardboard box contain several lab chemicals

DATE: 8/15/91

TIME: 1236

DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: View of the electroplating machinery in the southern building

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1237

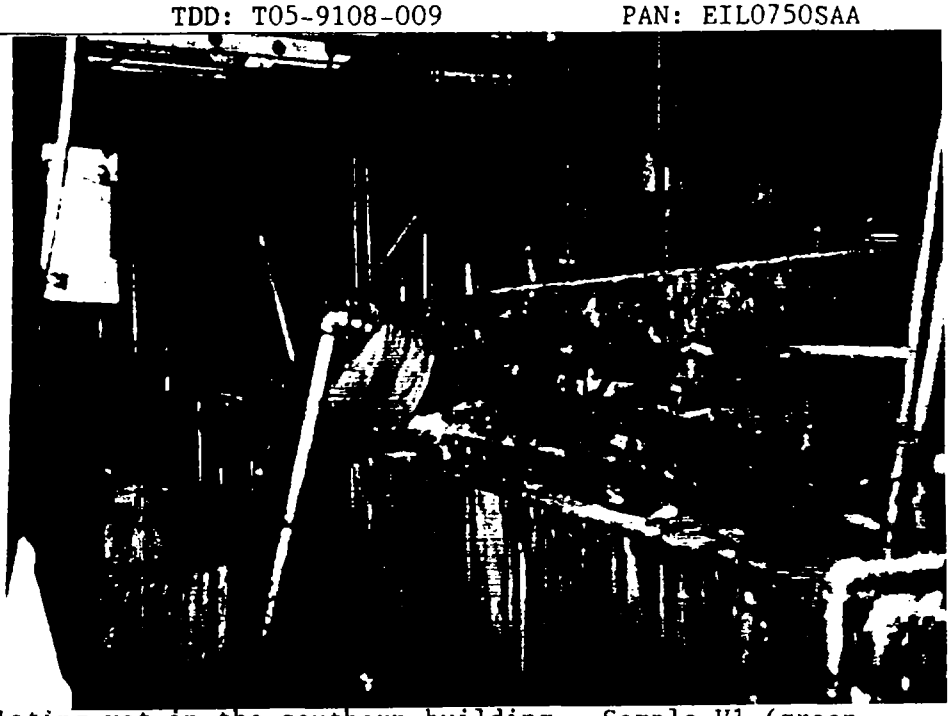
DIRECTION OF PHOTOGRAPH: Southwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): V1



DESCRIPTION: Electroplating vat in the southern building. Sample V1 (green colored liquid) was collected from this vat

DATE: 8/15/91

TIME: 1238

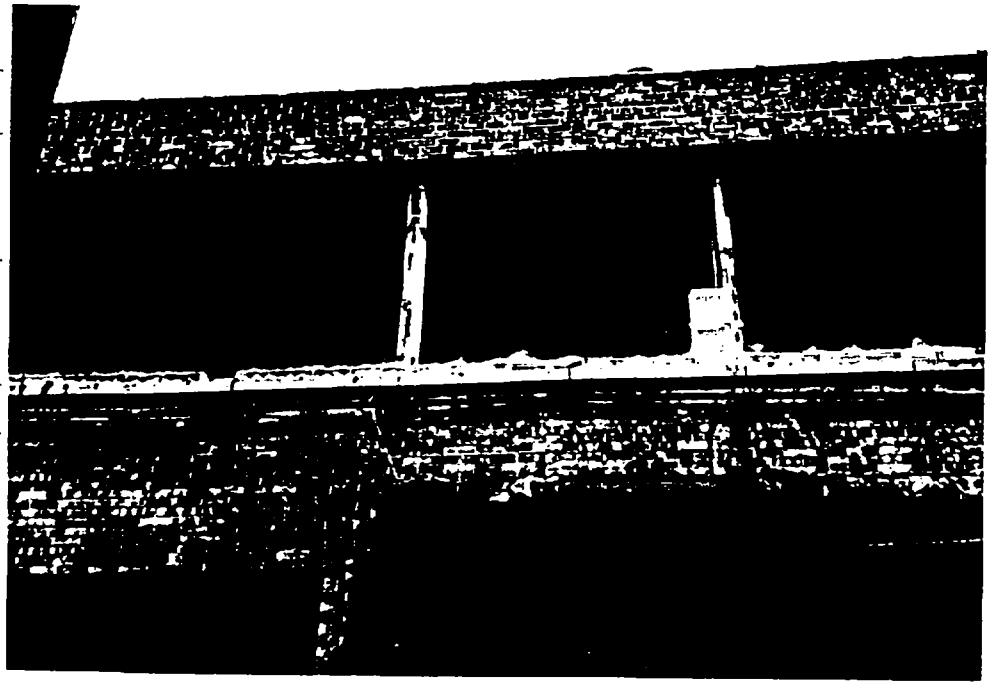
DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Second floor of the northern building with broken windows

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1242

DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Stained soil in the alley between the two buildings. In the background are some drums stacked in the alley

DATE: 8/15/91

TIME: 1245

DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Empty drums stored in the unroofed area of the northern building

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company PAGE 11 OF 15

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/15/91

TIME: 1250

DIRECTION OF PHOTOGRAPH: N/A

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Second floor ceiling of the northern building showing signs of deterioration

DATE: 8/15/91

TIME: 1251

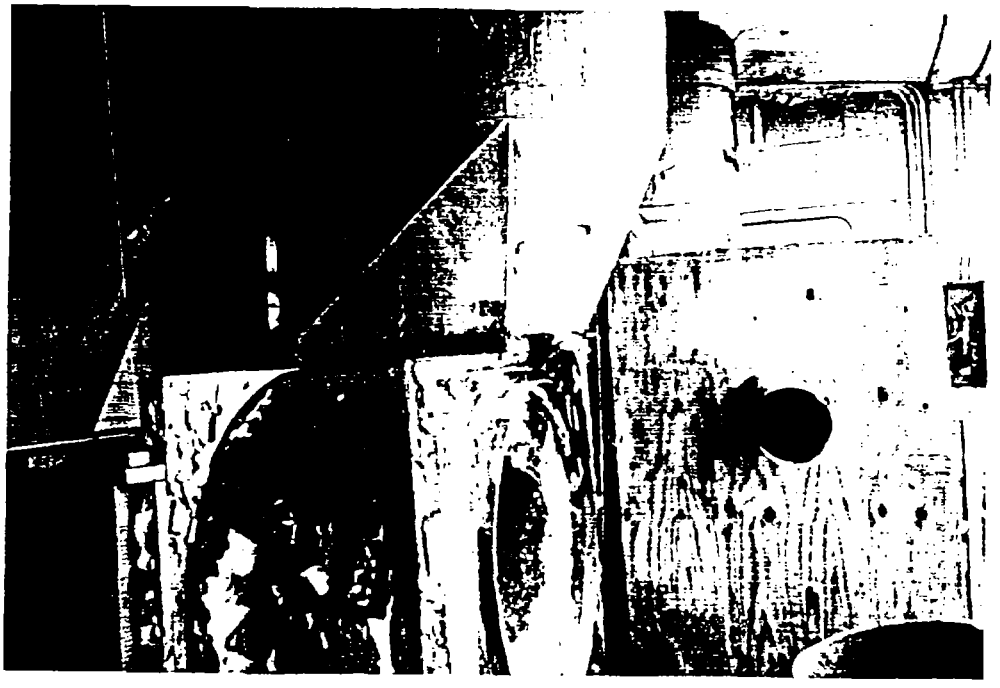
DIRECTION OF PHOTOGRAPH: East

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Blower on the second floor of the northern building

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company PAGE 12 OF 15

U.S. EPA ID: TDD:T05-9108-009 PAN: EIL0750SAA

DATE: 8/22/91

TIME: 1103

DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: Hot and sunny, 85°F

PHOTOGRAPHED BY: S. Faryan

SAMPLE ID (if applicable): N/A

DESCRIPTION: Photo showing Driscoll & Company entrance to the northern building from the west grand avenue road. C/S Welding Company operates in the same building

DATE: 8/22/91

TIME: 1156

DIRECTION OF PHOTOGRAPH: Southwest

WEATHER CONDITIONS: Hot and Sunny 85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: View of several containers near the electroplating line in the northern building. The white container has hydrogen peroxide label on it

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/22/91

TIME: North

DIRECTION OF PHOTOGRAPH: North

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: View of the yellow bordered drum labeled sulfuric acid in the back ground. In the front is the hydrogen peroxide drum

DATE: 8/22/91

TIME: 1158

DIRECTION OF PHOTOGRAPH: Southwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Visible spilled material on the ground

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/22/91

TIME: 1159

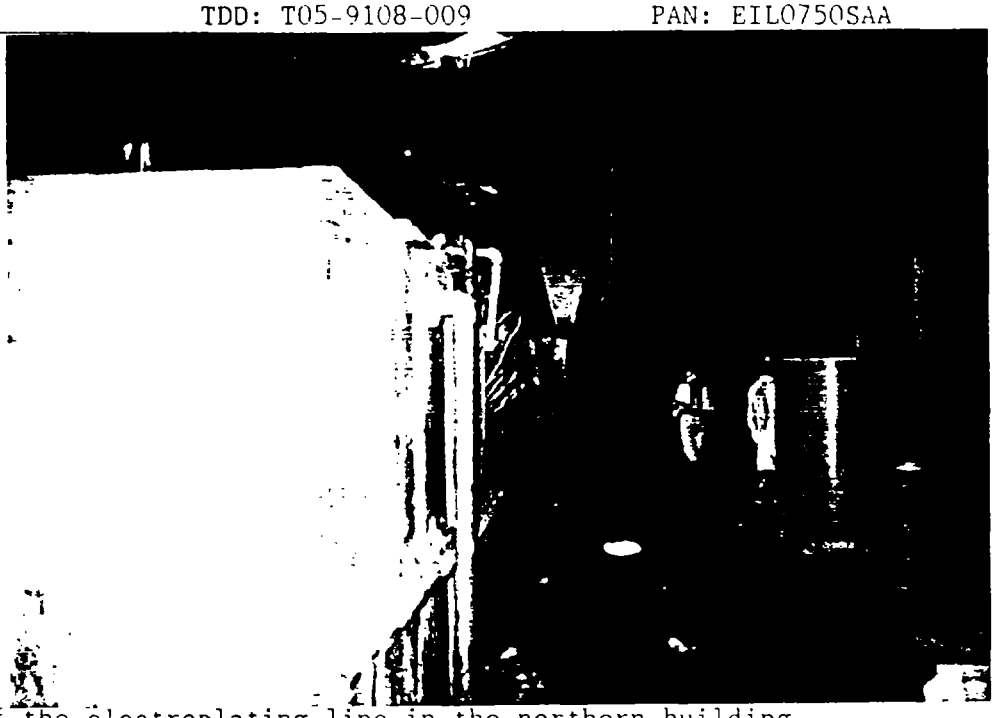
DIRECTION OF PHOTOGRAPH: South

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Magam

SAMPLE ID (if applicable): N/A



DESCRIPTION: View of the electroplating line in the northern building

DATE: 8/22/91

TIME: 1201

DIRECTION OF PHOTOGRAPH: Northwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Magam

SAMPLE ID (if applicable): N/A

DESCRIPTION: View of the horseshoe shaped vat in the northern Driscoll building

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Driscoll & Company

U.S. EPA ID: TDD: T05-9108-009 PAN: EIL0750SAA

DATE: 8/22/91

TIME: 1201

DIRECTION OF PHOTOGRAPH: Northwest

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A

DESCRIPTION: Eastern view of the electroplating line

DATE: 8/22/91

TIME: 1210

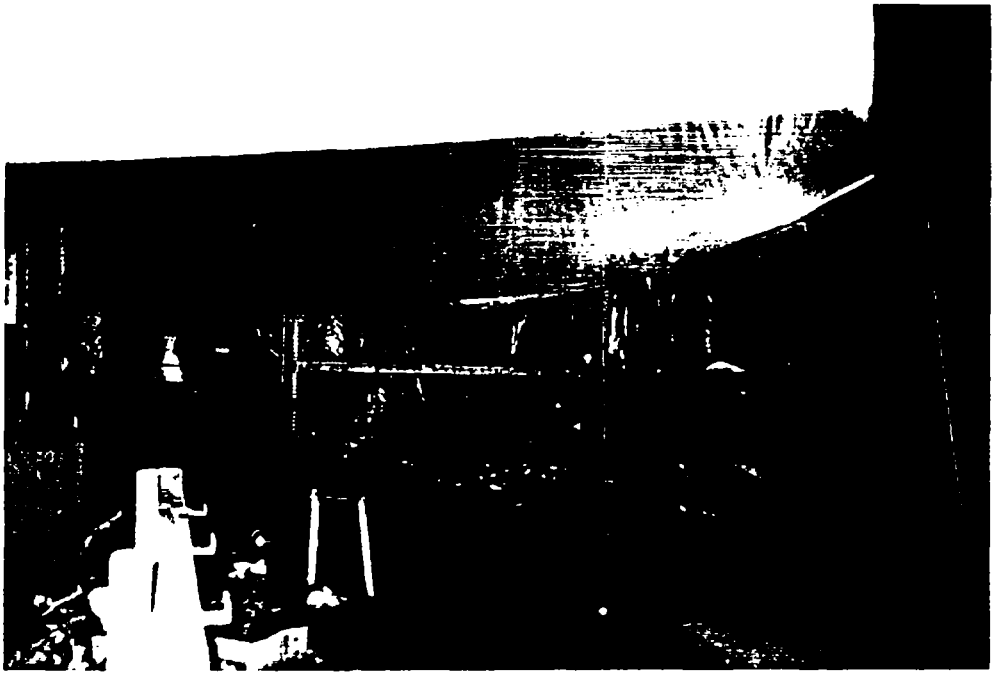
DIRECTION OF PHOTOGRAPH: South

WEATHER CONDITIONS: Hot and sunny

85°F

PHOTOGRAPHED BY: R. Nagam

SAMPLE ID (if applicable): N/A



DESCRIPTION: Photo showing plastic sheets around the electroplating line in the northern Driscoll building. The space in front of the electroplating facility is occupied by C/S Welding Company

APPENDIX C
DOCS DRISCOLL SITE INFORMATION

INITIAL INCIDENT RESPONSE DATA SHEET

LOCATION: 3145 W. Grand, Driscoll Co.

INCIDENT NO.: _____ COMPLAINT NO.: _____

ES CODE: 09 LOT NO.: _____

DATE: 8/9/90 TIME: 10:00 a m

WHO REPORTED THE INCIDENT: David Inman

WHO RESPONDED TO THE INCIDENT: P.B, T P

NATURE OF INCIDENT: Chemicals in abandoned plant

WHO WAS NOTIFIED: IEPA, Water Reclamation District

RESPONSE ACTIVITIES: Observed plant, found some tanks with approx CN-Zinc solution (approx. 8,000 - 9,000 gal) pH was 13-14, another-Ni-CR solution, pH was 13-14. Found some drums with sludge and solid used material, some-with CN-Copper. Total aproximately 20 drums. The building was secured WRD sampled solution for analysis. Dragger-Tube investigation was negative.

WERE PHOTO(S) TAKEN: (NO) YES NUMBER: _____

WERE SAMPLE(S) TAKEN: (NO) YES NUMBER: _____

SAMPLE(S) SOURCE: _____

SAMPLE(S) WERE TAKEN TO: _____

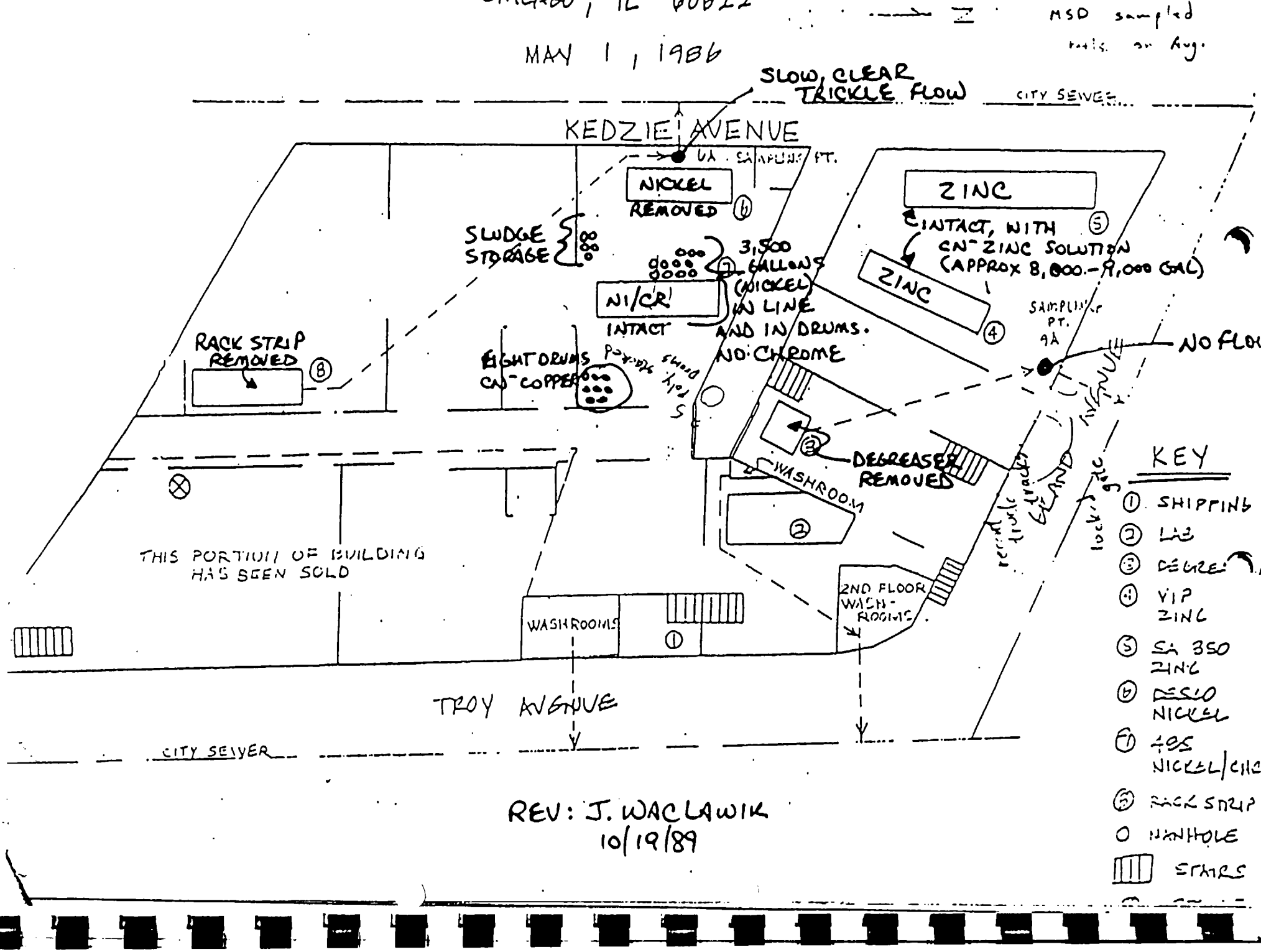
CITATION ISSUED: (NO) YES CITATION NO.: _____

INCIDENT OUTCOME: We will continue to monitor.

TPC-REV. 6/90

3145 W. GRAND
CHICAGO, IL 60622

MAY 1, 1986



REV: J. WACLAWIK
10/19/89

INITIAL INCIDENT RESPONSE DATA SHEET

LOCATION: 3145 W. GRAND – DRISCOLL & CO.

INCIDENT NO.: _____ COMPLAINT NO.: _____

ES CODE: 07 LOT NO.: _____

DATE: 12/7/90 TIME: 12:00 - 1:00 PM

WHO REPORTED THE INCIDENT: DAVE INMAN

WHO RESPONDED TO THE INCIDENT: J. FERG, B. NIGWE

NATURE OF INCIDENT: FOLLOW-UP INSPECTION OF VACANT BUILDING

WHO WAS NOTIFIED: IEPA (Don Klopke), D. INMAN

RESPONSE ACTIVITIES: OBTAINED ACCESS TO BUILDING THRU JERRY CARLTO (CARLTON CONST.). FOUND PLATING LINE TANKS IN POOR CONDITION. ROOF LEAKAGE HAD COVERED FLOOR W/ WATER. VALVES & PIPING HAD VISIBLY LEAKED ONTO CONCRETE FLOOR AT SEVERAL LOCATIONS. WHITE CAUSTIC RESID WAS PHOTOGRAPHED IN TWO AREAS ON FLOOR AROUND PLATING TANKS. LIQUID WAS STILL PRESENT IN TANKS (SEVERAL THOUSAND GALS.) IEPA & DAVID INMAN WERE NOTIFIED & WOULD CONTINUE TO ATTEMPT TO IDENTIFY OWNER (PRP)

WERE PHOTO(S) TAKEN: NO (YES) NUMBER: 4 PHOTOS OF RESIDUE ON FLOOR, VALVES, E

WERE SAMPLE(S) TAKEN: (NO) YES NUMBER: MWRD had taken samples in August.

SAMPLE(S) SOURCE: _____

SAMPLE(S) WERE TAKEN TO: _____

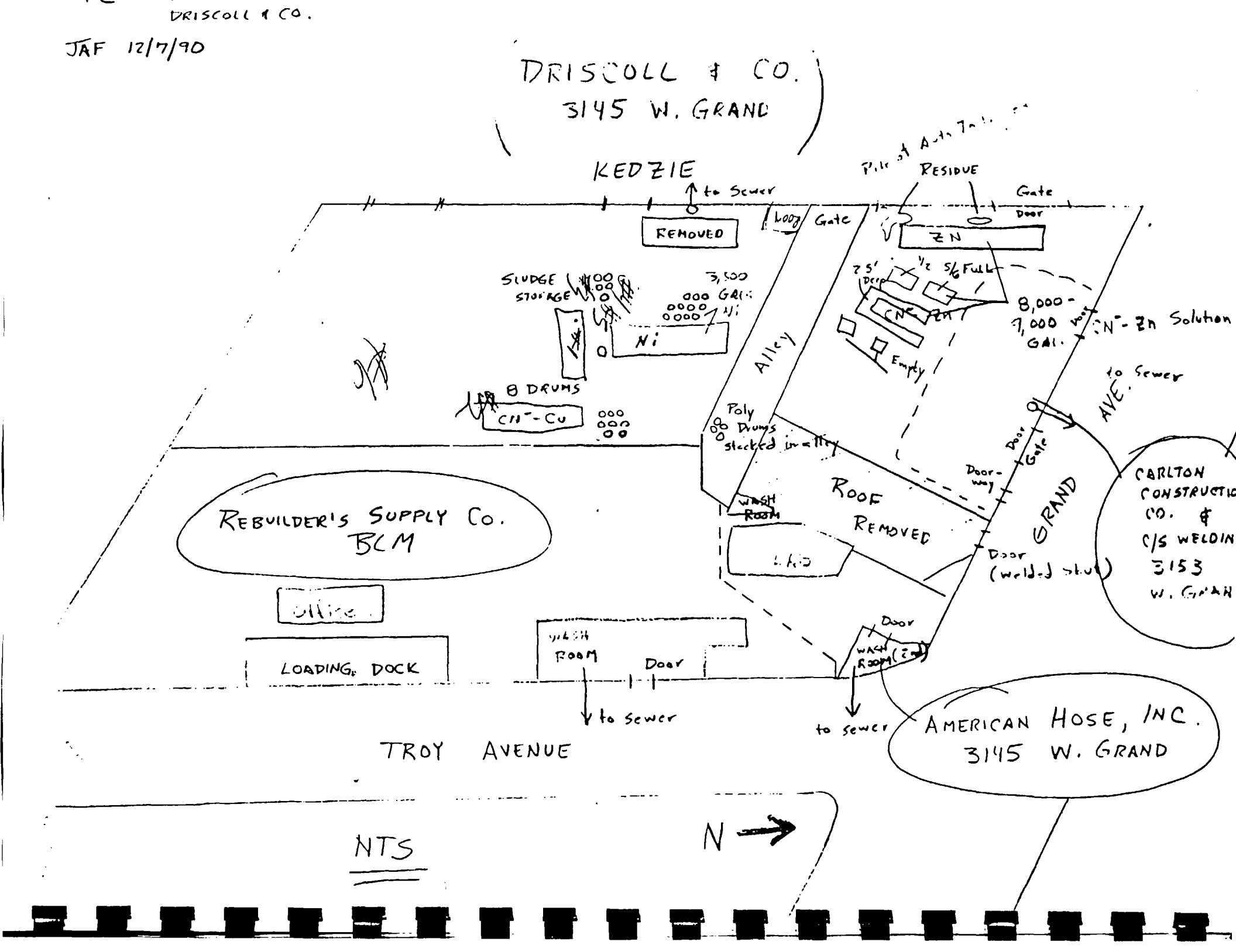
CITATION ISSUED: NO YES CITATION NO.: _____

INCIDENT OUTCOME: _____

TPC-REV. 6/90

DRISCOLL & CO.

JAF 12/7/90



INCIDENT# 8910221
LOT#

Hazardous Incident Response Sheet

Date Oct. 19, 1989

Location 847-57 N. Kedzie/3145-53 W. Grand

Who reported the call Office Staff

Who responded to the call PB & GH

When was the problem reported (time) 11:00 AM

What is the nature of the call Complaint regarding possible abandoned building.

Response Activities We discovered that practically entire building is currently occupied by three company's: 1) Driscoll (Original Co.) 2) American Hose, Inc. and 3) Rebuilders Supply Co. Also, Driscoll has not renewed their operating license and American Hose, Inc. is awaiting for theirs in the mail.

Were samples taken yes ____ no X (if so how many) ____

Where were the sample(s) taken to ____

Status Report

Date ____ Status ____

Date ____ Status ____

Date ____ Status ____

INITIAL INCIDENT RESPONSE DATA SHEET

LOCATION: 3145 W. Grand, Driscoll Co.

INCIDENT NO.: _____ COMPLAINT NO.: _____

ES CODE: 09 LOT NO.: _____

DATE: 8/9/90 TIME: 10:00 a m

WHO REPORTED THE INCIDENT: David Inman

WHO RESPONDED TO THE INCIDENT: P.B, T P

NATURE OF INCIDENT: Chemicals in abandoned plant

WHO WAS NOTIFIED: IEPA, Water Reclamation District

RESPONSE ACTIVITIES: Observed plant, found some tanks with approx CN-Zinc solution (approx. 8,000 - 9,000 gal) pH was 13-14, another-Ni-CR solution, pH was 13-14. Found some drums with sludge and solid used material, some-with CN-Copper. Total aprximately 20 drums. The building was secured. WRD sampled solution for analysis. Deager-Tube investigation was negative.

WERE PHOTO(S) TAKEN: (NO) YES NUMBER: _____

WERE SAMPLE(S) TAKEN: (NO) YES NUMBER: _____

SAMPLE(S) SOURCE: _____

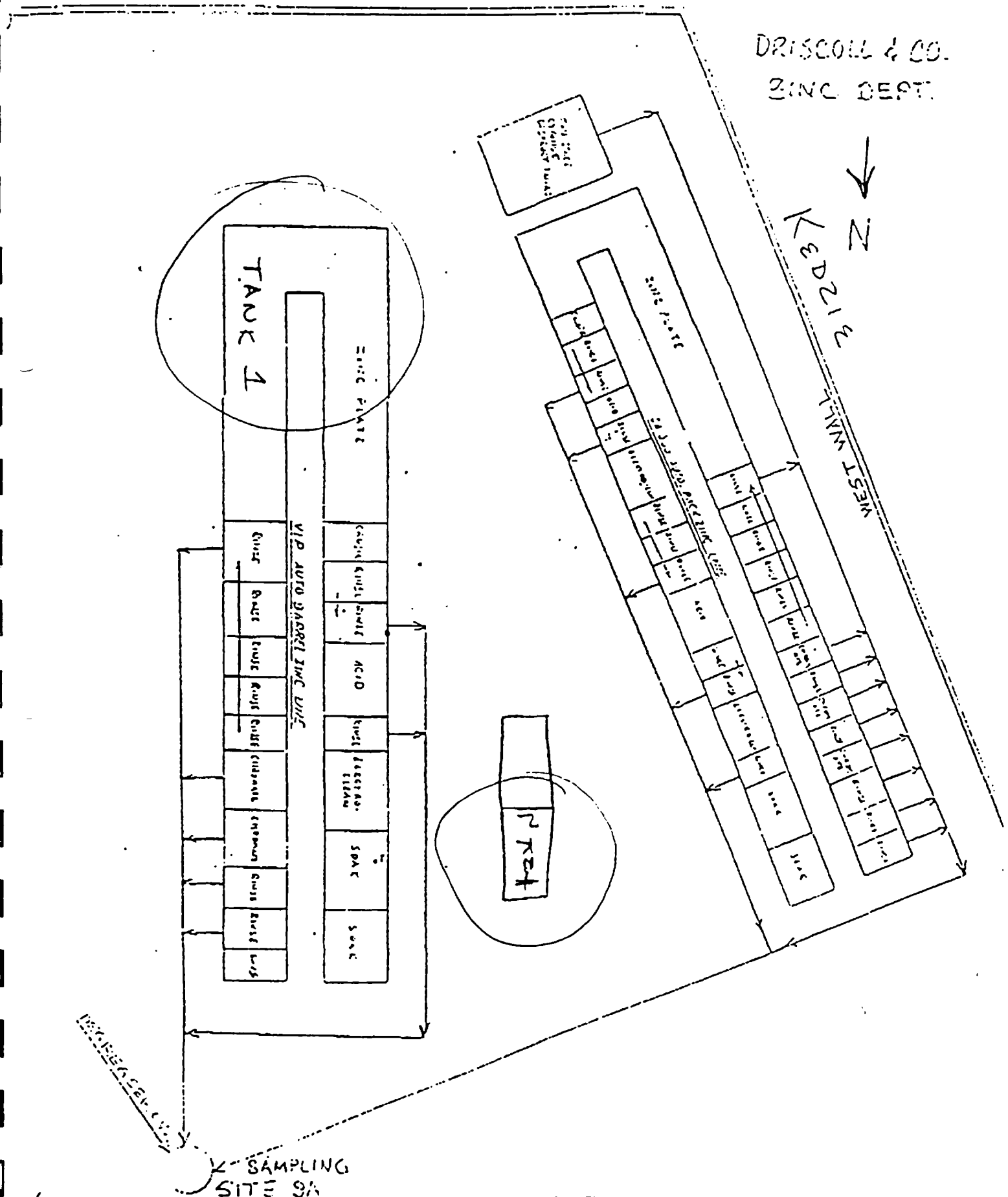
SAMPLE(S) WERE TAKEN TO: _____

CITATION ISSUED: (NO) YES CITATION NO.: _____

INCIDENT OUTCOME: We will continue to monitor.

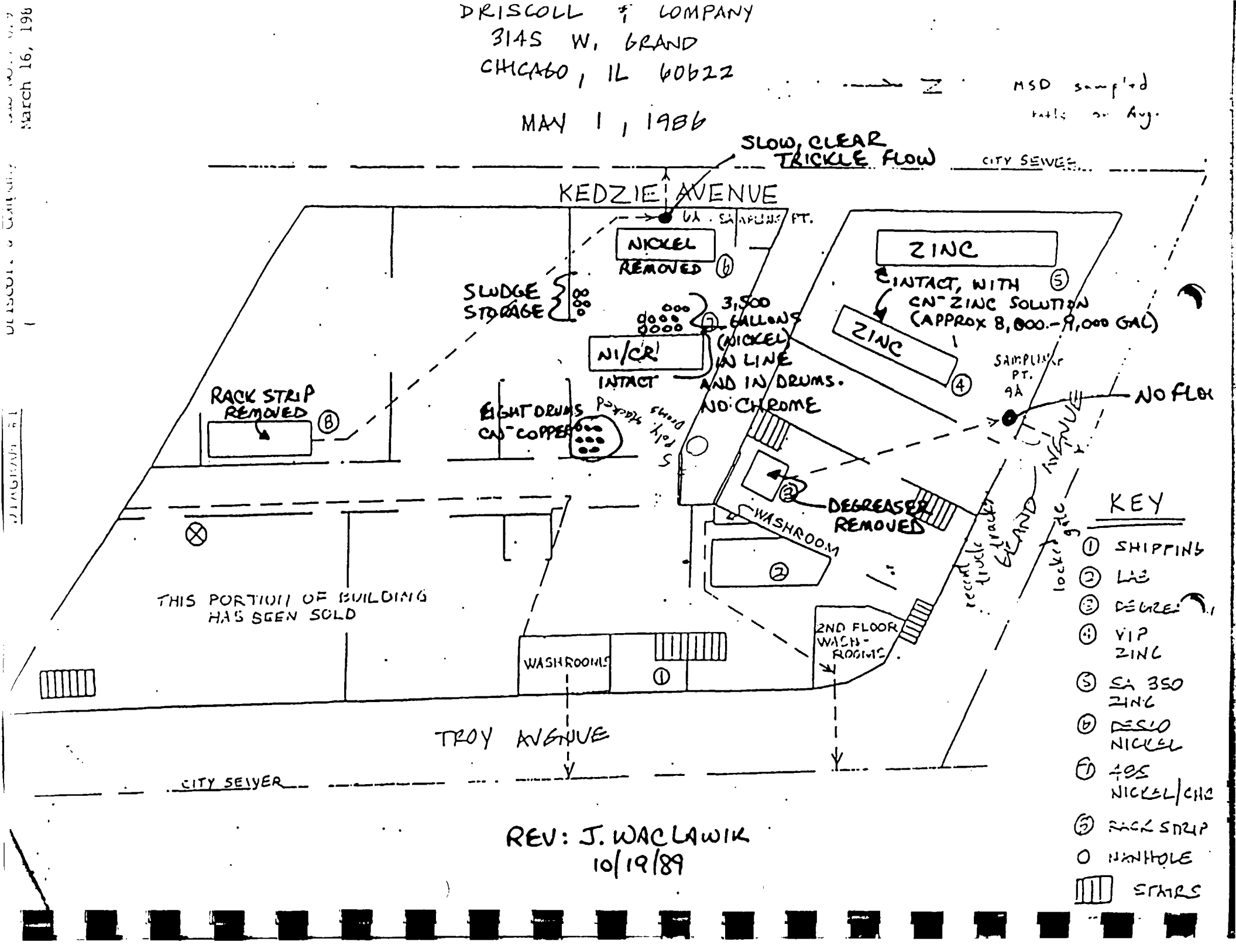
TPC-REV. 6/90

DIAGRAM # 1 - DETAIL



DRISCOLL & COMPANY
3145 W. GRAND
CHICAGO, IL 60622

MAY 1, 1986



REV: J. WACLAWIK
10/19/89

PROJECT NO.: _____

TELEPHONE RECORD

DATE: 12/10/90

PROJECT NAME: 3145 W. GRAND TIME: _____

FROM JAF OF TPC

TO Jim WACLAWIK OF MWRD - Industrial Waste

TELEPHONE NO.: (708) 780-4147

also Bob Gasheano 12/12/90 2:00 P.M.,

SUBJECT DISCUSSED	*
Samples - Conc. of Zn 400 ppm — 4,000 Gal. Acid Sol.	
CN^- 3,300 ppm 6,700 ppm — > 10,000 Gal. Caustic - CN^- Solution	
pH 13-14	
Suggests - trail thru Carlton - who does he send rent check to?	
Bob will FAX copies of analytical data & site plan to TPC. He would attempt to send someone from MWRD to Mon. meeting at Rm 808 10 a.m.	
12/12/90 FAX Recd. From MWRD	⊛

* ACTION REQUIRED ⊛ ACTION COMPLETED

COPIES TO: _____ ROUTE TO: _____ _____

_____ _____ _____

_____ _____ _____

_____ PAGE _____ OF _____

FORM NO. 6-007 REV. 03/87

METROPOLITAN SANITARY DISTRICT OF GREATER CHICAGO
STICKNEY WATER RECLAMATION PLANT
5901 WEST PERSHING ROAD
CICERO, IL 60650

FAX #: (312) 863-8913 EXT. 2849

FACSIMILE TRANSMISSION

COVER SHEET

DATE: 12/12/90 TIME: 1436

TO: JEFF FERG (Name of Individual) CITY OF CHICAGO/CONSUMER SERVI (Name of Organization/Dept.)

FAX DESTINATION NUMBER: (312) 744 - 1529

FROM: R. GAGGIANO (Name of Individual) METRO WATER RECLAMATION DIST. (Name of Organization/Dept.)

MESSAGE: ANALYTICAL DATA AND SKETCH FROM FORMER E.J. DRISCOLL FACILITY

Number of Sheets Transmitted: 3

P.1/3

Fig 8

PRINTAFFT 2R x 36C

08/14/90 12:36 Page 1

FAST TRACK REPORT # SOUTHWEST LAB

	1 COMPANY NAME	2 SAMPLE TYPE	3 SAMPLE POINT	4 SAMPLE DATE	5 TIME	6	7 TABLE NAME	8 DATA CLEAR	9 PH	10 BOD	11 COD	12 TOC	13 SS	14 VSS
7706C	GRAND & KEDZI CORP	S	TNK1	08/09/90	1025	NR	GRK1S		NR	NR	NR	NR	NR	NR
7707C	GRAND & KEDZI CORP	S	TNK2	08/09/90	1032	NR	GRK1S		NR	NR	NR	NR	NR	NR

	15 TS	16 FOG	17 MP FOG	18 TOT CN (Total Cyanide)	19 FREE CN	20 PHENOL	21 NH3-N	22 ZN (Zinc)	23 CD	24 CU (Copper)	25 TOT CR	26 CR+6	27 FE	28 NI
7706C	NR	NR	NR	7025	NR	NR	NR	321	0.24	20.10	0.44	NR	1.0	0
7707C	NR	NR	NR	6800	NR	NR	NR	3628	0.21	3.63	0.68	NR	0.8	0

	29 PB	30 HG (Mercury)	31 SE	32 AS	33 AG	34 MN	35 BA	36 NR
7706C	0	0.0	NR	NR	0	NR	NR	NR
7707C	0	2.1	NR	NR	0	NR	NR	NR

results in ppm per Bob Gaggioo